

Chapter 3.3

Process safety management

1. Applicability of this chapter

You shall determine whether or not any new system or processes you introduce at JSC are required to meet the criteria in 29 CFR 1910.119, “Process safety management of highly hazardous chemicals,” the process safety management (PSM) standard. This standard applies when a chemical listed in the standard is present and its annual usage exceeds the threshold quantity.

2. Description of Sub-element 3.3

JSC in Houston presently has no processes that fall under PSM. JSC’s White Sands Test Facility has processes that fall under PSM and shall follow OSHA and internal White Sands Test Facility requirements.

3. Requirements

Reviews of new or modified processes shall include an assessment of whether the change will cause JSC to implement PSM requirements.

4. Responsibilities

JSC managers are responsible for:

- a. Evaluating new or modified processes to determine whether they meet the PSM criteria. Always avoid changes that invoke PSM criteria unless there is no feasible alternative.
- b. Completing a job hazard analysis (JHA) when implementing a new or modified process. The JHA should be sent to the Occupational Health Department (SD33) for review. Submit a Material Safety Data Sheet (MSDS) for any new chemical to be used for that process to the JSC MSDS coordinator (SD33) when it is ordered. When the chemical is brought on site, it must be entered into the JSC Hazardous Materials Inventory.
- c. At JSC, reporting to the JSC Safety and Test Operations Division and the Clinic Services Branch any processes that meet the PSM criteria. Implement PSM criteria where applicable.

5. Safety and health records

JSC keeps the following records:

- a. Center-level records – Chemical inventory to show which processes are required to meet PSM requirements. JSC will review the chemical inventory yearly to determine whether PSM threshold quantities have been reached.

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- b. Any processes that meet the PSM criteria shall include any records required by the standard.